PATENT

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A.J. E UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF

Chia-Chang Li, et al.

**FOR** 

AN

INTEGRATED **CABLE AND** 

CELLULAR NETWORK

SERIAL NO.

09/521,791

**FILED** 

March 9, 2000

**ART UNIT** 

2749

RECEIVED

ATTORNEY DOCKET NO.

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Technology Center 2600

Cleveland, Ohio 44114-2518

## **SUBMISSION OF FORMAL DRAWINGS**

**Assistant Commissioner for Patents** Washington, D.C. 20231

Dear Sir:

Applicants submit fourteen (14) sheets of formal drawings, Figs. 1-11, to be entered in the file of the above-identified patent application.

Please charge any fees or credit any overpayment to Deposit Account No. 06-0308.

### CERTIFICATE OF MAILING

I hereby certify that this Submission of Formal Drawings is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington,

Respectfully submitted,

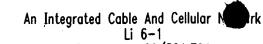
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Date: Mag 20, 2002

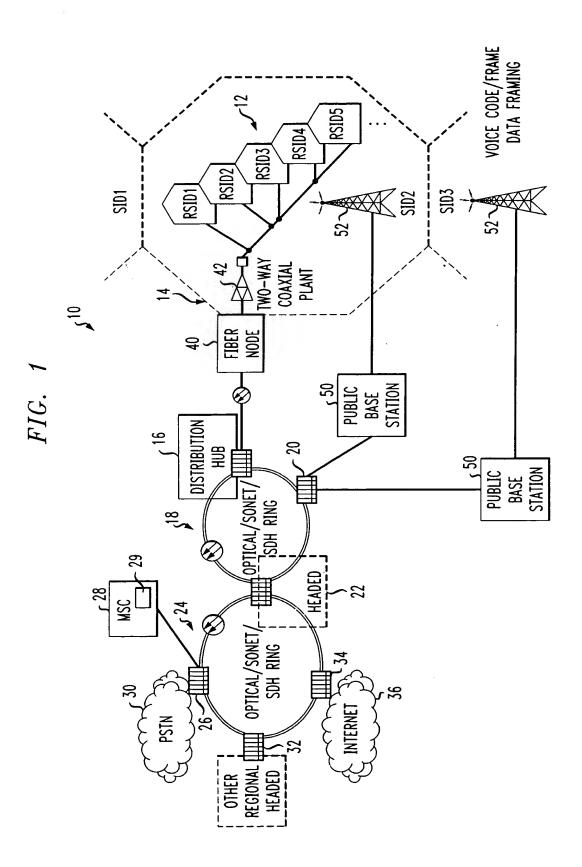
Joseph D. Dreher Reg. No. 37,123

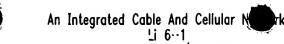
1100 Superior Avenue Cleveland, Ohio 44114

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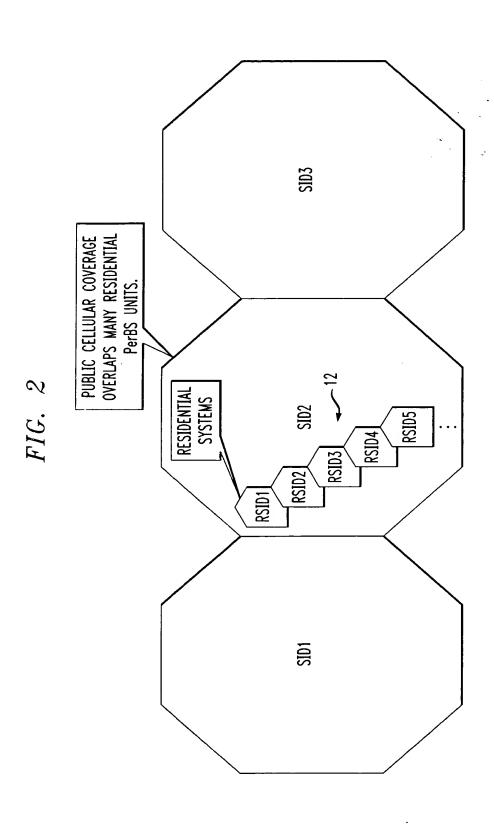


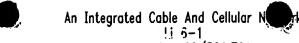
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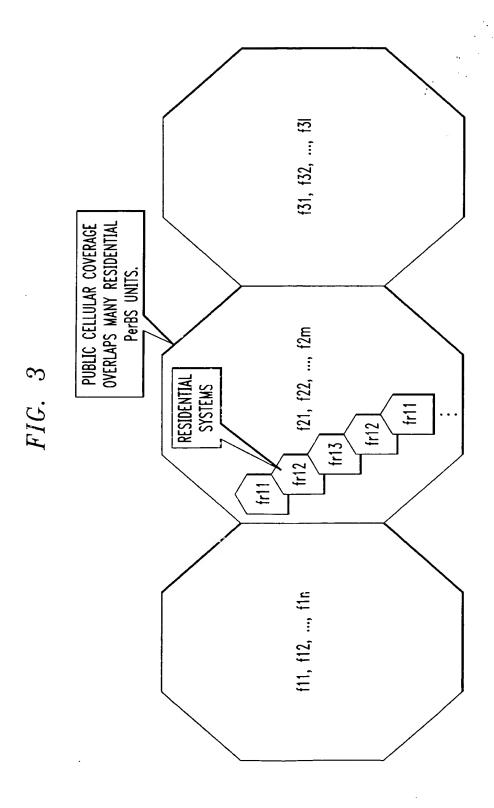


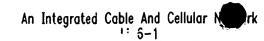
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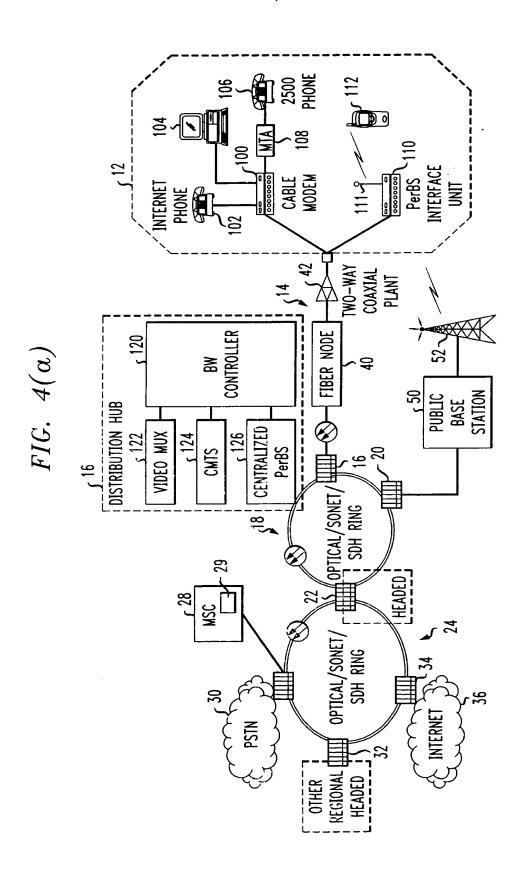
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			RESPONSIBLE NETWORK		PUBLIC NETWORK. IF	SID DOES NOT MATCH	THEN CONTACT HOME	BASE (USING SID PUT	OUT BY HANDSET) TO	CONFIRM	AUTHORIZATION FOR	USE. PRIVATE NETWORK	- ALSO SEND THE SID	OF THE SURROUNDING	PUBLIC NETWORK	RESIDENTIAL NETWORK	- ALSO SEND THE SID	OF THE SURROUNDING	PUBLIC NETWORK	
	ER DATABASE		ACCEPTABLE	CMDIIANIIOMOO	MATCH/CONFIRM SID	ONLY MATCH ANY ONE	PSID AND PASS ON	INFORMATION ABOUT	THE SURROUNDING	PUBLIC NETWORK	MATCH ANY ONE RSID	AND SEND	INFORMATION ABOUT	THE SURROUNDING	PUBLIC NETWORK					
FIG. 4(b)	HLR (HOME LOCATION REGISTER) - USER DATABASE	J 431	RESIDENTIAL NETWORK	MOTIONO	RSID1 RSID2	RSID3	RSID4	RSID5		EACH RSID IS	ASSOCIATED WITH THE	SID OF THE	SURROUNDING	(CONNECTING) PUBLIC	NETWORK.					
29	HLR (HOME LI	J 430	PRIVATE NETWORK	NOTIONO	PSID1									(CONNECTING) PUBLIC	NETWORK.					
	067	£74 S	PUBLIC NETWORK	NOTIONO	SID(HOME SYSTEM ID)/	ESN	IF USING SIM CARD, A	COMBINATION OF SIMID	AND SID WILL BE	VALID.	WAP DEVICES WILL USE	A COMBINATION OF EIN	AND IP.							

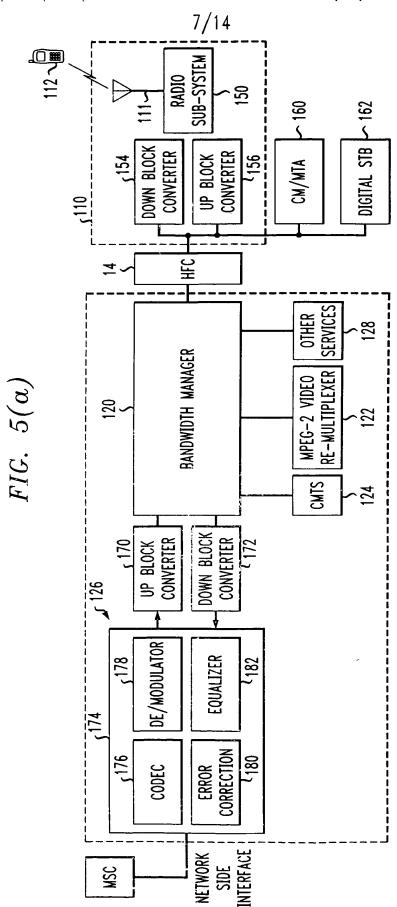
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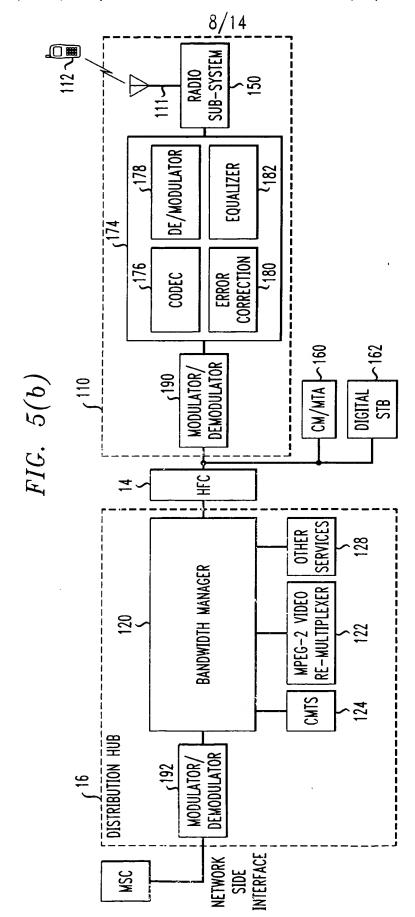
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112 HANDSET - USER 7452 7453 PROFILE - NAM	LOGIC AND ALGORITHM	IF RSID1 IS AVAILABLE, REGISTER ONLY FROM RSID1, ALSO BROADCAST THE SURROUNDING SID (BUILT—IN FUNCTION). IF NO RSID MATCH OCCURS, SEARCH FOR PSID, THEN REGISTER USING PSID, INTIMATE SURROUNDING PSID DOES NOT MATCH, THEN SEARCH FOR PUBLIC SID. MATCH ANY ONE RSID AND PASS ON INFORMATION ABOUT THE SURROUNDING PUBLIC NETWORK. MATCH ANY ONE RSID AND SEND INFORMATION ABOUT THE SURROUNDING PUBLIC NETWORK
	RESIDENTIAL NAM	RSID1 – NUMBER INSERTED BY END USER OR BY SERVICE PROVIDER, FOR PRIMARY RESIDENCE ONLY.  SIM CARD CAN HAVE ALL THE VALID RSID NUMBERS WITH RSID1 HAVING HIGHEST PRIORITY AND RSID5 HAVING LOWEST PRIORITY.  RSID5 HAVING LOWEST PRIORITY.  RSID5 – NUMBER INSERTED BY END USER OR BY SERVICE PROVIDER, FOR PERMITTED RESIDENCES ONLY.  RSID4 – NUMBER INSERTED BY END USER OR BY SERVICE PROVIDER, FOR PERMITTED RESIDENCES ONLY.  RSID5 – NUMBER INSERTED BY END USER OR BY SERVICE PROVIDER, FOR PERMITTED RESIDENCES ONLY.  RSID5 – NUMBER INSERTED BY END USER OR BY SERVICE PROVIDER, FOR PERMITTED RESIDENCES ONLY.
USER NAM - NETWORK ACCESS METHOD	PRIVATE NAM	PSID1 – NUMBER INSERTED BY THE BUSINESS PROVIDING THE PRIVATE USER OR BY SERVICE PROVIDE NETWORK. PRIMARY WORK LOCATION OF THE USER.  SIM CARD CAN HAVE ALL THE VALID SIM CARD CAN HAVE ALL THE PSID1 HAVING HIGHEST PRIORITY AND PSID5 HAVING LOWEST PRIORITY. PSID2 – NUMBER INSERTED BY HERVING LOWEST PRIORITY. PSID2 – NUMBER INSERTED BY SECONDARY RESIDENCE OF SECONDARY RESIDENCE OF SECONDARY WORK LOCATION OF THE USER. PSID3 – NUMBER INSERTED BY USER. PSID4 PSID5 – NUMBER INSERTED BY USER. PSID5 – NUMBER INSERTED BY USER. PSID5 – NUMBER INSERTED BY THE BUSINESS PROVIDING THE USER. PSID5 – NUMBER INSERTED BY THE BUSINESS PROVIDING THE USER. PSID5 – NUMBER INSERTED BY THE BUSINESS PROVIDING THE USER. PSID5 – NUMBER INSERTED BY THE BUSINESS PROVIDING THE USER. PSID5 – NUMBER INSERTED BY THE BUSINESS PROVIDING THE USER. PSID5 – NUMBER INSERTED BY THE BUSINESS PROVIDING THE USER. PSID5 – NUMBER INSERTED BY THE BUSINESS PROVIDING THE USER. PSID5 PS
$FIG. \ 4(c)_{f450}$	PUBLIC NETWORK INFORMATION	SID (HOME SYSTEM ID) – NUMBER CAN BE INSERTED ONLY BY SERVICE PROVIDER. ESN – THIS IS AN INTEGRAL PART OF THE HANDSET. THE SIM CARD USES SIMID WHICH IS AN INTEGRAL PART OF THE CARD, AND THE NAM FOR PRIVATE OF RESIDENTIAL. WAP DEVICE WILL HAVE AN EIN (INTEGRAL PART OF THE DEVICE) AND IP – INSERTED BY THE SERVICE PROVIDER.

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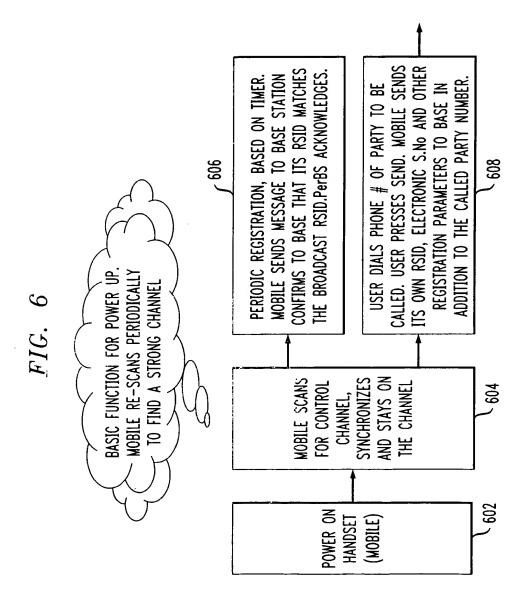
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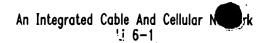
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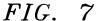
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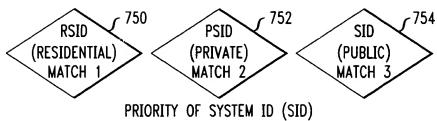
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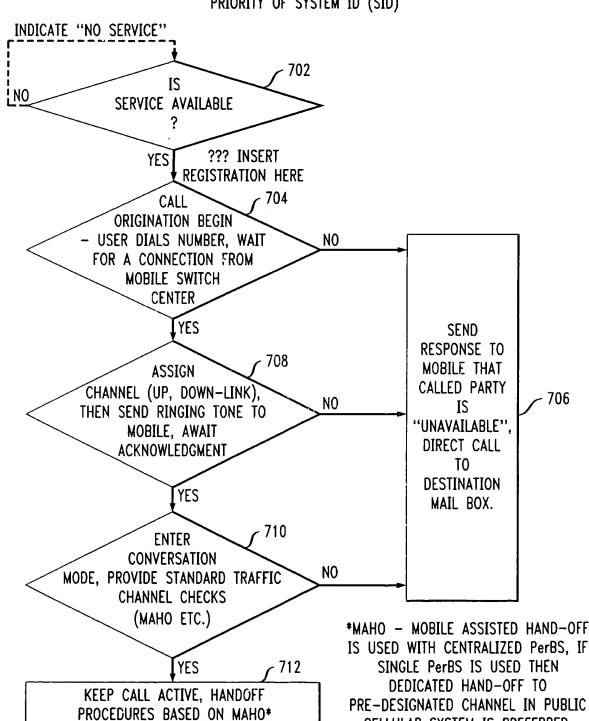




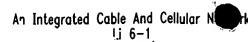
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CELLULAR SYSTEM IS PREFERRED.

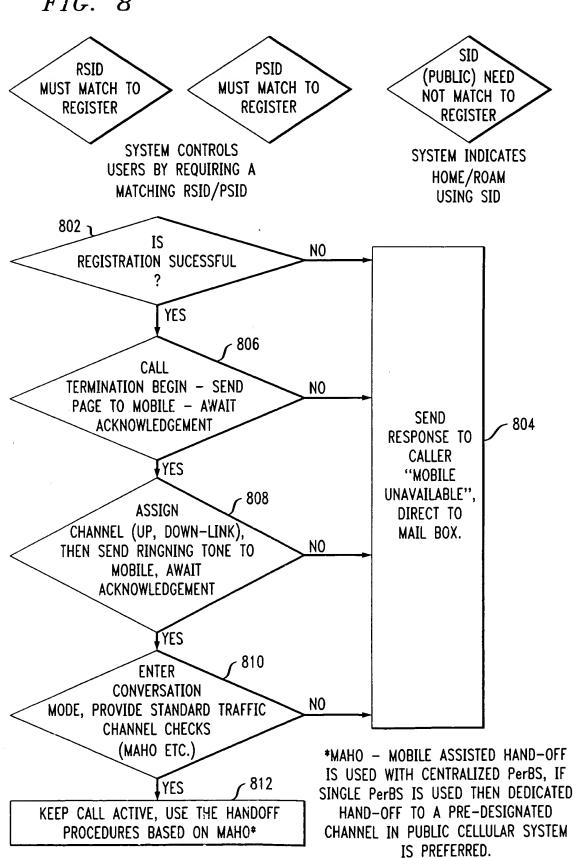


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FIG.8

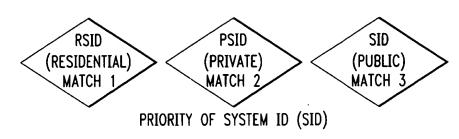


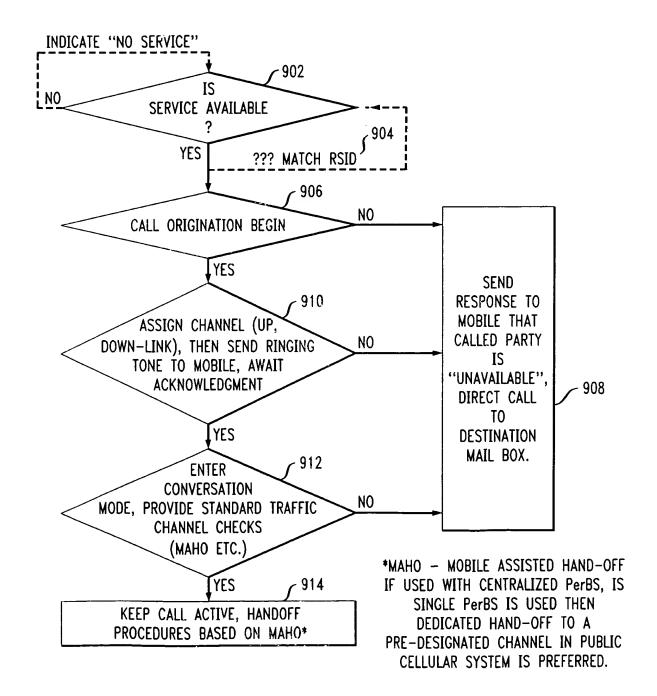
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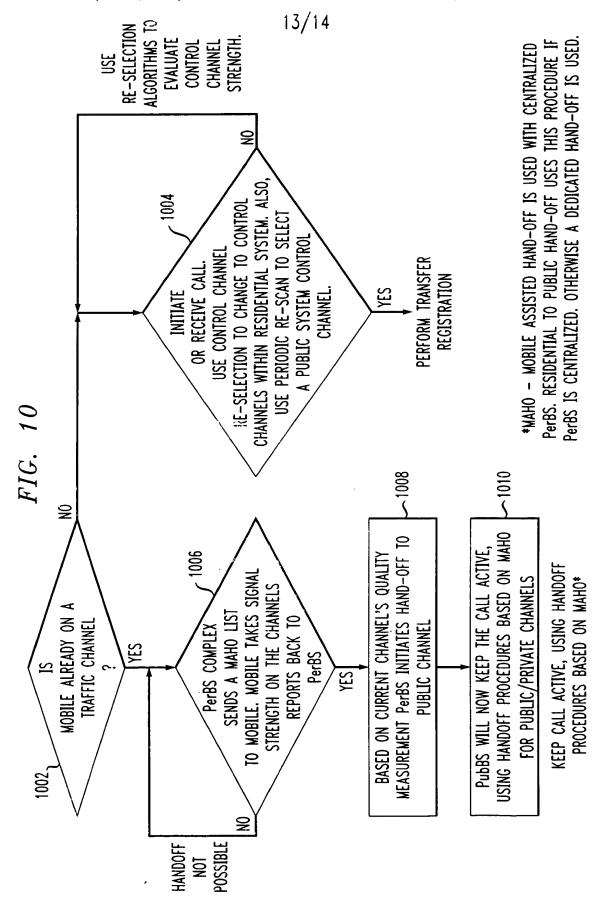
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FIG. 9





Fay, Sharpe, Fagan



Fay, Sharpe, Fagan

